CLAIMS

What is claimed is:

| | 1 | 1. A method comprising: |
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| 4 | 2 | receiving data from an application; |
| | 3 | creating a socket; |
| 4 | 4 | associating the socket with an AF_INET address family and performing a mapping |
| : | 5 | between a socket API and an SDP layer if the application is a legacy application; |
| Arrest Man. | 6 | and |
| Jan Jan | 7 | associating the socket with an AF_IB address family and performing a mapping between |
| gioni sees, print n | 8 | the socket API and an IB verb if the application is a new application. |
| mat -1804- 1906 | 1 | 2. The method of claim 1, further comprising providing the data to a channel |
| -41350° Petat' 'tquez | 2 | adapter for transmission over an IBA fabric. |
| * | 1 | The method of claim 1, wherein the application is a new application, the |
| | I | |
| | 2 | act of performing a mapping between the socket API and an IB verb comprising |
| | 3 | performing a mapping between the socket API and the SDP layer. |
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| 1 4. | A system | comprising: |
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- a channel adapter coupled with an IBA fabric, the channel adapter to receive data from 2
- applications; 3
- a socket API to provide an interface with the applications; and 4
- an InfiniSock layer to provide an interface between the socket API and the channel 5
- adapter, the InfiniSock layer including an AF_INET address family and an AF_IB 6
- address family, the InfiniSock layer to provide a mapping between the socket API 7
- and an SDP layer for legacy applications and a mapping between the socket API
- and an IB verb for new applications.
 - The system of claim 4, further comprising a socket, the socket associated 5. with one of the AF_INET address family and the AF_IB address family.
 - The system of claim 4, the InfiniSock layer to provide a mapping between 6.
 - the socket API and the SDP layer for a new application. 2

| 1 | 7. An article of manufacture comprising: |
|-----------------------|---|
| 2 | a machine accessible medium providing content that, when accessed by a machine, |
| 3 | causes the machine to |
| 4 | receive data from an application; |
| 5 | create a socket; |
| 6 | associate the socket with an AF_INET address family and perform a mapping |
| 7 | between a socket API and an SDP layer if the application is a legacy |
| 8 | application; and |
| 8 9 9 110 110 111 111 | associate the socket with an AF_IB address family and perform a mapping |
| 1 10 | between the socket API and an IB verb if the application is a new |
| fi fil1 | application. |
| 1 | 8. The article of manufacture of claim 7, wherein the content, when accessed, |
| 1 2 ± 2 | further causes the machine to provide the data to a channel adapter for transmission over |
| 3 | an IBA fabric. |
| | |
| 1 | 9. The article of manufacture of claim 7, wherein the application is a new |
| 2 | application and the content, when accessed, further causes the machine to perform a |

mapping between the socket API and the SDP layer.

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| 1 | 10. A network comprising: | | |
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| 2 | an IBA fabric; | | |
| 3 | a first system coupled with the IBA fabric, the first system including | | |
| 4 | a channel adapter coupling the first system with the IBA fabric, the channel | | |
| 5 | adapter to receive data from applications resident on the first system, | | |
| 6 | a socket API to provide an interface with the applications, and | | |
| 7 | an InfiniSock layer to provide an interface between the socket API and the | | |
| 8 | channel adapter, the InfiniSock layer including an AF_INET address | | |
| 5 8 5 9 | family and an AF_IB address family, the InfiniSock layer to provide a | | |
| U 10 | mapping between the socket API and an SDP layer for legacy applications | | |
| 111 | and a mapping between the socket API and an IB verb for new | | |
| 12 | applications; and | | |
| 12 | a second system coupled with the IBA fabric. | | |
| 1 | 11. The network of claim 10, the applications of the first system including a | | |
| 2 | legacy application and a new application. | | |
| | | | |
| 1 | 12. The network of claim 10, the second system including a legacy | | |
| 2 | application. | | |
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| 1 | 13. The network of claim 10, the second system including a new application. | | |
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| 1 | 14. The network of claim 10, the second system comprising: |
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| 2 | a channel adapter coupling the second system with the IBA fabric, the channel adapter to |
| 3 | receive data from applications resident on the second system; |
| 4 | a socket API to provide an interface with the applications; and |
| 5 | an InfiniSock layer to provide an interface between the socket API and the channel |
| 6 | adapter, the InfiniSock layer including an AF_INET address family and an AF_IE |
| 7 | address family, the InfiniSock layer to provide a mapping between the socket API |
| 8. | and an SDP layer for legacy applications and a mapping between the socket API |
| 9 | and an IB verb for new applications. |